

Page 1 of 1

All amounts are calculated in domestic currency.

Total Received Quantity:	108,3333
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$1,453.94
Total Balance Due Quantity:	0.0000

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7

Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Shipping Order

11/04/2017

Order : 124459
Reference : 35846
Bid : 22451
Ship : PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
CS18G	MS SHE 18G COLD ROLL (.050) 1008 1 X 4' X 8' HT:265214	32	32	✓
	DAS 9 9-89			
TP12A2	A-2 PLATE TFA 1/2" THICK 2 X 1.25" -0+0 X 145" RL HT:PM59498	65	65	✓
	DAS 9 9-89			
MP124130N	4130 NORM PLATE .500 THICK AMS 6345 44 x 3" x 14" ht:1961550	12.76	12-76	✓
	DAS 9 9-89			

ship journey collect

SPH 412

Shipping : _____
Package No : _____
Merchandise Received: _____
Ref. : _____

ArcelorMittal Dofasco G.P.
P.O. Box 2460
Hamilton, Ontario
L8N 3J5

TEST REPORT
RAPPORT D'ESSAI

Attention: Nancy Duni
Email: Nancy.Duni@ryerson.co

Page 1 of 1

Date: 07/05/2015

-Purchase Order/Bon de Commande-
Vendor/Vendeur-

-Customer/Client-

-Sales Order/Bon de Commande-

778809-1 JUN20

557950

BS 369557001

-Bill of Lading/Correspondance-

Vehicle or Carrier/Vehicule ou Transporteur-

-Packing Slip/Bordereau de Charge-

337947

-Sold To/Vendu A-
RYERSON CANADA, INC.
181 THE WEST MALL
ETOBICOKE, ON.
M9C 4V8

-Ship To/Expédier A-
RYERSON CANADA
7525 FINANCIAL DRIVE
BRAMPTON, ON.
L6Y 5P4

-Spec/Note et Spec-

ASTM A1008/CS TYPE E (15)
SFD ASTM 2/3 FOR HDG ST.075(2H4), NO WELD
SEMI-CRITICAL SURFACE
STANDARD FLATNESS - ASTM FULL TOLERANCE
MATERIAL CERTIFICATION REQUIRED
CODE QID:20323-

-Material Description/Description du Material-
COLD ROLLED STEEL SHEET
COMMERCIAL STEEL
COILS
LIGHT MATTIE OILED

.0440 MIN .0480 X 48 X COIL

Weight: 23850 LBS

-Test Methods/Methodes d'Essai-

ASTM E1019, E415

HEAT	C	Mn	P	S	Si	Cu	Ni	Cr	Sn	Mo	Als	Alt	Co	V	Ti	Ca	N	B	O
COULEE 265214	.05	.18	.011	.009	.009	.03	.009	.06	.002	.003	.045	.047	.0004	.001	.001	.0001	.0050	.0001	

SERIAL NUMBER
NOMBRE DE SERIE
J/11872/01

LIFT #
[ANDEA]
3434723

We Certify That The Material Described herein conforms to The Specification shown on This Document
ArcelorMittal Dofasco G.P. as per Lesley Taggart - QMPL Supervisor
The Results Relate Only To The Items Tested
This Report Shall Not Be Reproduced Except in Full without The Express Written Approval of The QMPL Supervisor.

This Contract is Subject to The Terms and Conditions of Sale shown on The Order Acknowledgement.
Ce Contrat est Sujet aux Termes et Conditions de Vente indiqués sur l'Accuse de Reception de Commande.

NUCOR STEEL

4537 S. NUCOR ROAD; CRAWFORDSVILLE, IN 47933

REPORT OF TESTS

ATTN:	DATE: 1/20/15
FAX:	
SOLD TO	CUSTOMER ORDER # 081414MC
SIZE: 0.500" by 36" steel sheet	PRODUCT: HRPO light oil FINE GRAIN AIRCRAFT QUALITY 4130 AMS 6345 Rev C ASTM-A 506 ASTM-A-635 AMS 2301 Rev J [successor to MIL-S-18729 COND N.] NORMALIZED OR OTHERWISE HEAT TREATED

DAS

9

9.89

AMS 6345

COIL #	HEAT #	YIELD	TENSILE	ELONG
1961550	248571-06	81.5 ksi	115 ksi	20%

TEST	RESULT	
*Average austenite grain size	#8	Pass
Decarburization (P/F)		Pass
*Bend Test (P/F)		Pass
*Response to Heat Treatment (P/F)	45 HRC	Pass
*AMS 2301 Quality Freq/Sev (P/F)	0/0	Pass


*These tests performed by outside lab, ISO 17025 certified.

HEAT #	C	Mn	P	S	Al	Si	N	Cr	Ni	Cu	Mo
248571	0.287	0.55	0.006	0.000	0.028	0.208	0.007	0.860	0.017	0.043	0.165

WE HEREBY CERTIFY THE ABOVE
IS CORRECT AS CONTAINED IN
THE RECORDS OF THE CORPORATION.

Melted and Manufactured in the USA

QF-0200, 10/17/05


Cold Mill Metallurgist

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
 1270, ABERDEEN STREET
 HAWKESBURY, ONTARIO
 K6A 1K7

11 mars 17

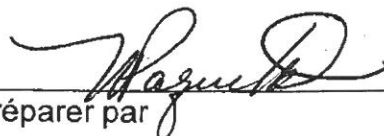
PRODUCT DESCRIPTION	SHIPPED Pcs	SHIPPED Pcs	BACK ORDERED	ROLINE
A2-05000	1.00	675.00	0.00	
1/2 X 31 1/4" X 145 1/8" A2 PLATE				
ASTM A-681-08				
DFARS Compliant				
PLATE# : 412457B				
Country of Origin FRANCE				
C - 0.9770 Mn - 0.6180 P - 0.0100 S - 0.0008 Si - 0.2700 Ni - 0.2100				
Cr - 5.1510 Mo - 0.9260 Cu - 0.1120 V - 0.2120 W - 0.0040				
PM HEAT# : 59498				
BHN 207.00				

ITEM 2: 2 X 125"

COMMANDE : 124459

REF : 35846

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.


 Préparer par

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1010S18GA
 DATE: 17-04-17

PO / BATCH NO.: 035846/M13 7285

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 3259FT
 QUANTITY INSPECTED: 3259FT
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .048
 THICKNESS RECEIVED: .050
 SHEET SIZE ORDERED: 4X8'
 SHEET SIZE RECEIVED: 4X8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	ASTM A1008M
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	HT #265214
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> 9 9-89 DATE: <u>17-04-17</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: HTSTEEL-A2-B0.500x1.250

PO / BATCH NO.: D035846 / M137285

DATE: 17.04.19

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 24'

THICKNESS ORDERED: 1.250
 THICKNESS RECEIVED: 1.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	Y (N)	** mat. received is 1.500 **
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	ASTM A 681
CORRECT REF # TO LINK CERT	(Y) N	HT# 59498
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____ DATE: _____	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M130NB0.500X3.00

PO / BATCH NO.: P035846 / M137285

DATE: 17-04-19

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .500

QUANTITY RECEIVED: 51'

THICKNESS RECEIVED: .500

QUANTITY INSPECTED: 51'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	AMS 6345
CORRECT REF # TO LINK CERT	(Y) N	HT# 1961550
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>17-04-19</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35846**

Purchase Order Date 4/5/2017 12:43:03 PM

PO Print Date 4/5/2017

Page Number 1 of 2

Order From :
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

VC-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
APR 05 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 558 8858	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	Journey Freight collect	FOB	Destination-Collect
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
3	M1010S18GA	1010/1025 SHEET .048	4/11/2017 Yes 4/11/2017		32.00 sf	\$3.15	\$100.80

MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W
MINIMUM YIELD TENSILE STRENGTH = 28KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 42 KSI
COLD ROLLED

Line Total: \$100.80

4	MSTEEL-A2-B0.500X1.250	AISI A2 TOOL STEEL BAR, 0.500 X 1.250	4/11/2017 Yes 4/11/2017		24.00 f	\$12.38	\$297.00
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MATERIAL: AISI A2 TOOL STEEL, ANNELED CONDITION
AS PER A681

TOLERANCE -0+0" AS PER QUOTATION #16619
CUT AT 1.25"

Line Total: \$297.00

PO Instructions:

Note:

4/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35846**

Purchase Order Date 4/5/2017 12:43:03 PM

PO Print Date 4/5/2017

Page Number 2 of 2

Order From :
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

VC-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 558 8858

Ship To Contact

Ship To Phone

Ship Via: Journey Freight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB

Destination-Collect

9	M4130NB0.500X03.000	4130 Bar 0.500 x 3.00	4/11/2017	51.33	\$29.95	\$1,537.43
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Yes

f

4/11/2017

MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

44 PCS CUT TO SIZE 14"

Line Total: \$1,537.43

10	71401-45	PROCUREMENT	4/11/2017	1.00	\$0.00	\$0.00
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QUALITY CLAUSES

No

4/11/2017

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total: \$0.00

PO Total: \$1,935.23

PO Instructions:

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/5/2017